

5th International Conference and Expo on

Novel Physiotherapies

March 19-20, 2018 | Berlin, Germany

Comparison of the results of the chijin index and the ISTEP tensometric platform

Introduction: There are scarce publications on the study of the feet in health subjects and the lack of such data in children. Changes in the foot cause dysfunctions in the lower limbs, the pelvis and the spine, which necessitates their timely examination as early as childhood.

Purpose: The purpose of this study was to examine the feet of children in primary school classes by putting into practice a tensometric platform and comparing the results with the data from Chijin's method.

Participants: In the period of May-October 2017, 104 children from the primary classes in secondary school at the average age of 8.66 years were examined.

Methods: The Chijin's index was measured in cm and calculated in four degrees: normal foot, tendency to flatfoot, flatfoot, and deep flatfoot. The tensometric ISTEP 5000 (USA) platform was calibrated to the anthropometric data for the current children's age and showed a 3D image of the child's feet and provided results for the height of the arch in three levels: low arch, middle arch and high arch.

Results: